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# NOTICE OF ALLOWANCE AND FEE(S) DUE

ORRICK, HERRINGTON & SUTCLIFFE, LLP IP PROSECUTION DEPARTMENT 2050 Main Street, Suite 1100 IRVINE, CA 92614

EXAMINER
SHEPPERD, ERIC W

ART UNIT PAPER NUMBER
2492

DATE MAILED: 11/14/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,565	02/04/2004	Albert J. Stopniewicz	700546.4009	5500

TITLE OF INVENTION: SYSTEM AND METHOD FOR DOWNLOADING FILES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1740	\$300	\$0	\$2040	02/14/2012

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u> SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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maintenance fee notifications.  CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)  34313 7590 11/14/2011  ORRICK, HERRINGTON & SUTCLIFFE, LLP IP PROSECUTION DEPARTMENT 2050 Main Street, Suite 1100 IRVINE, CA 92614			Fee(	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	Ι	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/772,565	02/04/2004	•	Albert J. Stopniewicz	•	700546.4009	5500	
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nonprovisional	NO	\$1740	\$300	\$0	\$2040	02/14/2012	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
	D, ERIC W	2492	709-203000				
<ol> <li>Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>□ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>□ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> </ol>			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	ified below, no assignee	T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR Co	OUNTRY)	locument has been filed for oup entity	
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4a. The following fee(s)  Issue Fee	are submitted:	4	b. Payment of Fee(s): ( <b>Plea</b> A check is enclosed.	se first reapply an	y previously paid issue fee	shown above)	
	No small entity discount p	permitted)	Payment by credit card. Form PTO-2038 is attached.				
Advance Order - ‡	of Copies		The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Sta	tus (from status indicate	d above)	_				
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			SHEPPERD, ERIC W		
			ART UNIT	PAPER NUMBER	
			2492		

DATE MAILED: 11/14/2011

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1092 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1092 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

	Application No.	Applicant(s)	
Notice of Allowability	10/772,565 <b>Examiner</b>	STOPNIEWICZ ET AL.  Art Unit	
	LXamme	Artonic	
	ERIC W. SHEPPERD	2492	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RION of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate communing GHTS. This application is sure and MPEP 1308.	his application. If not included ication will be mailed in due course. <b>THIS</b>	'e
1. $\boxtimes$ This communication is responsive to <u>the amendment filed 0</u>	<u>7/05/2011</u> .		
<ol> <li>An election was made by the applicant in response to a rest requirement and election have been incorporated into this</li> </ol>		uring the interview on; the restriction	
3. ☑ The allowed claim(s) is/are <u>12,13,17,18,22,24,28,29,32,34-</u>	<u>38 and 40</u> .		
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> </ul>			
2. ☐ Certified copies of the priority documents have		No	
3. Copies of the certified copies of the priority do	• •		
International Bureau (PCT Rule 17.2(a)).		3 - 11	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements	
5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		(PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in	n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit of E attached Examiner's comment regarding REQUIREMENT FO</li> </ol>			
Attachment(s)			
1. Notice of References Cited (PTO-892)		rmal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Sur Paper No./M	nmary (PTO-413), ail Date <u>11/03/2011</u> .	
<ol> <li>Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 09/29/2011</li> </ol>		mendment/Comment	
4.  Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's S	tatement of Reasons for Allowance	
of Biological Material	9.		
/Philip J Chea/	/E. W. S./		_
Primary Examiner, Art Unit 2492	Examiner, Art Un	it 2492	

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#### **EXAMINER'S AMENDMENT**

1. Claims 12-13, 17-19, 22, 24-26, 28-30, 32 and 34-40 are pending.

#### Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07/05/2011 has been entered.

### Examiner's Amendment

- 3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 4. Authorization for this examiner's amendment was given in a telephone interview with David Stockwell (Reg. No. 41,334) on 11/03/2011.

#### Amendments to Claims

- 5. The application has been amended as follows:
- 6. Amend Claim 12 as follows:

7. 12. A vehicle information system suitable for installation aboard a passenger vehicle, comprising:

a local content source for providing a first content library associated with a first passenger seat group within the passenger vehicle;

a headend system for communicating with a remote content source including a second content library associated with a second passenger seat group within the passenger vehicle and for providing a first content catalog of first entertainment files available from the first content library and a second content catalog of second entertainment files available from the second content library, the second content catalog with having file information, including a title, a content description, and a content rating, for each of the second entertainment files;

a first portable media device being associated with the first passenger seat group and for automatically initializing wireless communications with said headend system and providing a first operational status of said first portable media device upon boarding the passenger vehicle, said first portable media device for presenting the first content catalog, for enabling selection of a selected first entertainment file via the first content catalog, and for receiving the entire selected first entertainment file from the first content library via said headend system; and

a second portable media device being associated with the second passenger seat group and for automatically initializing wireless communications with said headend system and providing a second operational status of said second portable media device upon boarding the passenger vehicle, said second portable media device for presenting

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the second content catalog with having the file information and for enabling selection of a selected second entertainment file via the second content catalog, said headend system verifying that the content rating of the selected second entertainment file satisfies a predetermined content standard, and enabling said second portable media device to receive the entire verified second entertainment file from the second content library and said local content source to store storing an archival copy of the verified second entertainment file in an appropriate file library based upon the file information,

wherein the second content library is different from the first content library and is not available to said first portable media device, and

wherein said first and second portable media devices can respectively present the selected first and second entertainment files regardless of whether said first and second portable media devices are in communication with said headend system, and wherein said second portable media device is configured to upload a passenger entertainment file associated with passenger file information, including a title, a content description, and a content rating, to said local content source for subsequent download by another portable media device, and wherein said headend system verifies the content rating of the passenger entertainment file satisfies the predetermined content standard and enables said local content source to receive and store the verified passenger entertainment file in an appropriate file library based upon the passenger file information.

#### 8. Amend Claim 13 as follows:

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9. 13. The vehicle information system of claim 12, wherein said second portable

media device includes:

a handheld case having a predetermined shape and including a communication

port;

a transceiver system for wirelessly communicating with said headend system via

the communication port, said transceiver system being disposed within said handheld

case;

an integrated user interface system being provided on said handheld case, and

including:

a video presentation system for selecting among the second

entertainment files available from the second content library via a menu-based system

and for presenting a video portion of the verified second entertainment file;

an audio presentation system for presenting an audio portion of the

verified second entertainment file; and

a touchscreen control system for selecting the verified second entertainment file

for presentation and controlling the presentation of the verified second entertainment

file.

10. Claim 19 is Cancelled.

11. Amend Claim 24 as follows:

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12. 24. An aircraft including a vehicle information system being provided in

accordance with claim 12.

13. Claim 25 is Cancelled.

14. Claim 26 is Cancelled.

15. Amend Claim 28 as follows:

16. 28. A method for distributing viewing content aboard a passenger

vehicle, comprising:

providing a headend system including a local content source for providing a first content library associated with a first passenger seat group within the passenger vehicle, said headend system and for communicating with a remote content source including a second content library associated with a second passenger seat group within the passenger vehicle;

providing a first content catalog of first entertainment files available from the first content library and a second content catalog of second entertainment files available from the second content library, the second content catalog having file information, including a title, a content description, and a content rating, for each of the second entertainment files;

initializing <u>automatically</u> a first portable media device associated with the first passenger seat group to wirelessly communicate with said headend system and providing a first operational status of said first portable media device <del>automatically</del> upon

boarding the passenger vehicle;

presenting the first content catalog via the first portable media device;

enabling the first portable media device to select a selected first entertainment file via the first content catalog and to receive the entire selected first entertainment file from the first content library via said headend system;

initializing <u>automatically</u> a second portable media device associated with the second passenger seat group to wirelessly communicate with said headend system and providing a second operational status of said second portable media device <u>automatically</u> upon boarding the passenger vehicle;

presenting the second content catalog with <a href="having">having</a> the file information via the second portable media device; and

enabling the second portable media device to select a selected second entertainment file via the second content catalog;

verifying that the content rating of the selected second entertainment file satisfies a predetermined content standard,

enabling the second portable media device to receive the <u>entire</u> verified second entertainment file from the second content library via said headend system; <del>and</del>

enabling the local content source to store an archival copy of the verified second entertainment file in an appropriate file library based upon the file information[[,]]; and

configuring the second portable media device to upload a passenger
entertainment file associated with passenger file information, including a title, a content
description, and a content rating to said local content source for subsequent download

by another portable media device, verifying the content rating of the passenger

entertainment file satisfies the predetermined content standard, and enabling the local

content source to receive and store the verified passenger entertainment file in an

appropriate file library based upon the passenger file information.

wherein the second content library is different from the first content library and is not available to said first portable media device, and

wherein said first and second portable media devices can respectively present the selected first and second entertainment files regardless of whether said first and second portable media devices are in communication with said headend system.

## 17. Claim 30 is Cancelled.

- 18. Amend Claim 36 as follows:
- 19. 36. The vehicle information system of claim [[19]]12, wherein said headend system updates the first content catalog to include the file information for the archival copy of the selected verified second entertainment file and the passenger file information for the passenger entertainment file such that each file is available for subsequent download by said first portable media device.
- 20. Amend Claim 37 as follows:
- 21. 37. The vehicle information system of claim [[19]]12, wherein the passenger entertainment file comprises destination information that is associated with a travel

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destination of the passenger vehicle, the destination information being selected from a group consisting of a map of a destination city, travel route information related to the destination city, hotel accommodation information, and additional travel information.

- 22. Amend Claim 38 as follows:
- 23. 38. The vehicle information system of claim [[19]]12, wherein said headend system identifies whether the passenger entertainment file and any second entertainment files available from the second content library do not satisfy the predetermined content standard and inhibits dissemination and storage of the identified files within the vehicle information system.

#### 24. Claim 39 is Cancelled.

### Reasons for Allowance

- 25. The following is an examiner's statement of reasons for allowance:
- 26. Regarding claim 12 and its dependent claims, applicant has overcome all objections and USC § 112 rejections. Several prior arts on record disclose ratings based networking, however the prior art of record fails to disclose or fairly suggest, in combination, a vehicle information system suitable for installation aboard a passenger vehicle, comprising:

"a local content source for providing a first content library associated with a first passenger seat group within the passenger vehicle;

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a headend system for communicating with a remote content source including a second content library associated with a second passenger seat group within the passenger vehicle and for providing a first content catalog of first entertainment files available from the first content library and a second content catalog of second entertainment files available from the second content library, the second content catalog having file information, including a title, a content description, and a content rating, for each of the second entertainment files;

a first portable media device associated with the first passenger seat group for automatically initializing wireless communications with said headend system and providing a first operational status of said first portable media device upon boarding the passenger vehicle, said first portable media device for presenting the first content catalog, for enabling selection of a selected first entertainment file via the first content catalog, and for receiving the entire selected first entertainment file from the first content library via said headend system; and

a second portable media device associated with the second passenger seat group for automatically initializing wireless communications with said headend system and providing a second operational status of said second portable media device upon boarding the passenger vehicle, said second portable media device for presenting the second content catalog having the file information and for enabling selection of a second entertainment file via the

second content catalog, said headend system verifying the content rating of the selected second entertainment file satisfies a predetermined content standard, and enabling said second portable media device to receive the entire verified second entertainment file from the second content library and said local content source storing an archival copy of the verified second entertainment file in an appropriate file library based upon the file information,

wherein the second content library is different from the first content library and is not available to said first portable media device,

wherein said first and second portable media devices can respectively present the selected first and second entertainment files regardless of whether said first and second portable media devices are in communication with said headend system, and

wherein said second portable media device is configured to upload a passenger entertainment file associated with passenger file information, including a title, a content description, and a content rating, to said local content source for subsequent download by another portable media device, and wherein said headend system verifies the content rating of the passenger entertainment file satisfies the predetermined content standard and enables said local content source to receive and store the verified passenger entertainment file in an appropriate file library based upon the passenger file information."

In the specific manner and combination recited in claim 12.

vehicle, comprising:

27. Regarding claim 28 and its dependent claims, applicant has overcome all objections and USC § 112 rejections. Several prior arts on record disclose ratings based networking, however the prior art of record fails to disclose or fairly suggest, in combination, a method for distributing viewing content aboard a passenger

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"providing a headend system including a local content source for providing a first content library associated with a first passenger seat group within the passenger vehicle, said headend system for communicating with a remote content source including a second content library associated with a second passenger seat group within the passenger vehicle;

providing a first content catalog of first entertainment files available from the first content library and a second content catalog of second entertainment files available from the second content library, the second content catalog having file information, including a title, a content description, and a content rating, for each of the second entertainment files;

initializing automatically a first portable media device associated with the first passenger seat group to wirelessly communicate with said headend system and providing a first operational status of said first portable media device upon boarding the passenger vehicle;

presenting the first content catalog via the first portable media device;
enabling the first portable media device to select a first entertainment file
via the first content catalog and to receive the entire selected first

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entertainment file from the first content library via said headend system;

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initializing automatically a second portable media device associated with the second passenger seat group to wirelessly communicate with said headend system and providing a second operational status of said second portable media device upon boarding the passenger vehicle;

presenting the second content catalog having the file information via the second portable media device; and

enabling the second portable media device to select a selected second entertainment file via the second content catalog;

verifying the content rating of the selected second entertainment file satisfies a predetermined content standard,

enabling the second portable media device to receive the entire verified second entertainment file from the second content library via said headend system;

enabling the local content source to store an archival copy of the verified second entertainment file in an appropriate file library based upon the file information; and

configuring the second portable media device to upload a passenger entertainment file associated with passenger file information, including a title, a content description, and a content rating to said local content source for subsequent download by another portable media device, verifying the content rating of the passenger entertainment file satisfies the predetermined content

standard, and enabling the local content source to receive and store the verified passenger entertainment file in an appropriate file library based upon the passenger file information,

wherein the second content library is different from the first content library and is not available to said first portable media device, and

wherein said first and second portable media devices can respectively present the selected first and second entertainment files regardless of whether said first and second portable media devices are in communication with said headend system."

In the specific manner and combination recited in claim 28.

28. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

- 29. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 30. Knapp et al (US 6,769,010 B1) is related to a distribution network including content rating.
- 31. Yoshimine et al (US 6,963,898 B2) is related to content providing with a rating system based on content creator.

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32. Sim (US 6,970,939 B2) is related to a payload distribution network from a content management server.

- 33. Menon et al (US 7,359,955 B2) is related to video content distribution over a network with push-pull interaction.
- 34. Emens et al (US 6,493,744 B1) is related to automatic rating and filtering of data files for objectionable content.
- 35. Kenner et al (US 6,003,030) is related to content storage and retrieval incorporating a content rating.
- 36. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIC W. SHEPPERD whose telephone number is (571)270-5654. The examiner can normally be reached on Monday Thursday, Alt. Friday, 7:30 AM 5PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/E. W. S./ Examiner, Art Unit 2492

/Philip J Chea/ Primary Examiner, Art Unit 2492